

CLAIM(S)**What is claimed is:**

1. A liquid casting composition which is a precursor to a solid surface material comprising a liquid polymerizable component, polycarboxylic acid or salt thereof having at least two carboxylic acid groups and having a molecular weight in a range from 300 grams per mole to 50,000 grams per mole, and solid particles wherein the particles comprise:
 - 10 (a) first particles having a distribution in the range from 1 micron to 300 microns, and
 - (b) second particles having a distribution in the range from 0.1 mm to 12 mm
- 15 2. The composition of claim 1 wherein said molecular weight is in a range from 300 grams per mole to 1000 grams per mole.
3. The composition of claim 1 wherein the concentration of the acid or salt is in a range from 0.1 to 1.0 weight percent of the liquid polymerizable component.
- 20 4. The composition of claim 1 wherein the first particles are in a range from 1 to 100 microns and the second particles are in a range from 3 to 5 mm.
- 25 5. The composition of claim 1 which contains an ester of acrylic or methacrylic acid.
- 30 6. The composition of claim 1 which contain a non-crosslinked polymer.
7. The composition of claim 1 wherein the first particles are in a range from 1 to 100 microns and the second particles are in a range from 0.1 to 5 mm.
- 35 8. The composition of claim 1 wherein based on the total weight of the composition, the first particles are present in an amount from

10 to 70 weight percent and the second particles are present in an amount from 1 to 50 weight percent.

9. The composition of claim 8 wherein the first particles are
5 present in an amount from 30 to 65 weight percent and the second particles are present in an amount from 3 to 40 weight percent.

10. A solid composition formed from the liquid coating composition of claim 1.

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